



**Final**

**Source Water Assessment**

**for the**

**Yoder's Meat Packers Water System**

**Garrett County, Maryland**

Prepared for:

Maryland Department of the Environment  
Water Management Administration  
Water Supply Program  
1800 Washington Boulevard, Suite 625  
Baltimore, Maryland 21230-1719

Prepared by:

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February 2004

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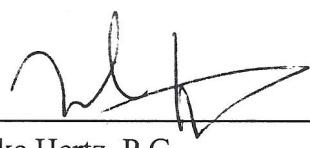
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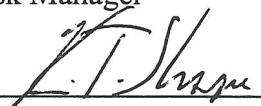
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February 2004

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1	Well information.
2	Summary of manganese and iron analysis.

**LIST OF ACRONYMS AND ABBREVIATIONS**

AST	Aboveground Storage Tank
BMP	Best Management Practice
CCL	Contaminant Candidate List
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act Information System
CHS	Controlled Hazardous Substances
COMAR	Code of Maryland Regulations
CREP	Conservation Reserve Program
DWEL	Drinking Water Equivalent Level
ft	Foot/Feet
gpd	Gallon(s) Per Day
gpm	Gallon(s) Per Minute
GPS	Global Positioning System
GWUDI	Ground Water Under the Direct Influence
in.	Inch(es)
IOC	Inorganic Compound
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MDE	Maryland Department of the Environment
mg/L	Milligram(s) Per Liter
MGS	Maryland Geological Survey
MTBE	Methyl-Tert-Butyl-Ether
NPL	National Priorities List
PCB	Polychlorinated Biphenyl
pCi/L	Picocurie(s) Per Liter
PWSID	Public Water System Identification
SDWA	Safe Drinking Water Act
SDWR	Secondary Drinking Water Regulations
SOC	Synthetic Organic Compound
SWAP	Source Water Assessment Plan
SWPA	Source Water Protection Area
SWPP	Source Water Protection Plan

**LIST OF ACRONYMS AND ABBREVIATIONS (continued)**

µg/L	Microgram(s) Per Liter
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WHPA	Wellhead Protection Area

## EXECUTIVE SUMMARY

EA Engineering, Science, and Technology was tasked to perform a Source Water Assessment for the Yoder's Meat Packers water system in Garrett County, Maryland. The Maryland Department of the Environment (MDE) identifies this water system as Public Water System Identification (PWSID) 1110013. EA has performed this study under Purchase Order No. U00P9200205, as authorized by MDE.

The required components of this report, as described in Maryland's Source Water Assessment Plan (SWAP), are:

- Delineation of the area that contributes water to the source
- Identification of potential sources of contamination
- Determination of the susceptibility of the water supply to contamination
- Recommendations for protecting the drinking water supply

The source of the Yoder's Meat Packers water supply is the Conemaugh Formation, which is an unconfined, sandstone and shale aquifer. The Source Water Protection Area (SWPA) for the three ground-water supply wells was delineated using the watershed delineation method for fractured bedrock wells. The SWPA is based on land topography, nearby streams, and a calculation of the total ground-water contributing area during a drought. The SWPA is approximately 114 acres and is irregular in shape.

Potential point and non-point sources of contamination within the assessment area were identified based on site visits, a review of MDE databases, and a review of sewer service area and land use maps. Several underground storage tanks (USTs), above ground storage tanks (ASTs), and an electrical transformer were observed within the SWPA and are potential point sources of pollutants. Cropland and commercial areas were observed within the SWPA. Croplands and commercial areas account for 73 percent of the SWPA and can be considered a non-point source of contaminants. Well information and water quality data were also reviewed.

The susceptibility analysis for the Yoder's Meat Packers water supply is based on a review of the water quality data, potential sources of contamination, aquifer characteristics, and well integrity. It was determined that the Yoder's Meat Packers water supply is moderately susceptible to volatile organic compounds. The system has a low susceptibility to synthetic organic compounds, inorganic compounds, radionuclides, and microbiological contamination.

Recommendations to protect the ground-water supply include creating a SWPA team, resident awareness, performing required ground-water monitoring, and communication with County officials about future planning and land use.

## 1. INTRODUCTION

EA Engineering, Science, and Technology was tasked to perform a Source Water Assessment for the Yoder's Meat Packers water system in Garrett County, Maryland. EA has performed this study under Purchase Order No. U00P3200205, as authorized by the Maryland Department of the Environment (MDE).

The Yoder's Meat Packers system serves the employees within the Yoder's Meat Packers facility in northern Garrett County. The water treatment plant and supply wells are located on the property. The Yoder's Meat Packers system serves a population of 30 with 4 connections. Three wells supply the water for this system (Figure 1).

### 1.1 GROUND-WATER SUPPLY SYSTEM INFORMATION

A review of the well data and sanitary surveys of the system indicates that Well 4 was drilled on 11 April 1992 and Well 5 was drilled on 21 October 1997, in accordance with the State's current well construction standards, which were implemented in 1973. An additional well, Well 1, is used as a backup well. The production wells have a combined average yield of 13,000 gallons per day (gpd). Each wellhead was observed to be in good repair, with secure caps. Table 1 contains a summary of the well construction data.

**TABLE 1. WELL INFORMATION**

Source ID	Source Name	Permit No.	Total Depth (ft)	Casing Depth (ft)	Aquifer
01	Yoder's Well 1	GA732602	201	42	Conemaugh Formation
04	Yoder's Well 4	GA880931	401	187	Conemaugh Formation
05	Yoder's Well 5	GA940751	200	42	Conemaugh Formation

According to the system's 2002 inspection report, there is a fourth well (GA810790), known as Well 2, on-site that is not in use. According to Butch Blank, the site contact and chief system operator, the location of this well is unknown and was not observed during the site survey.

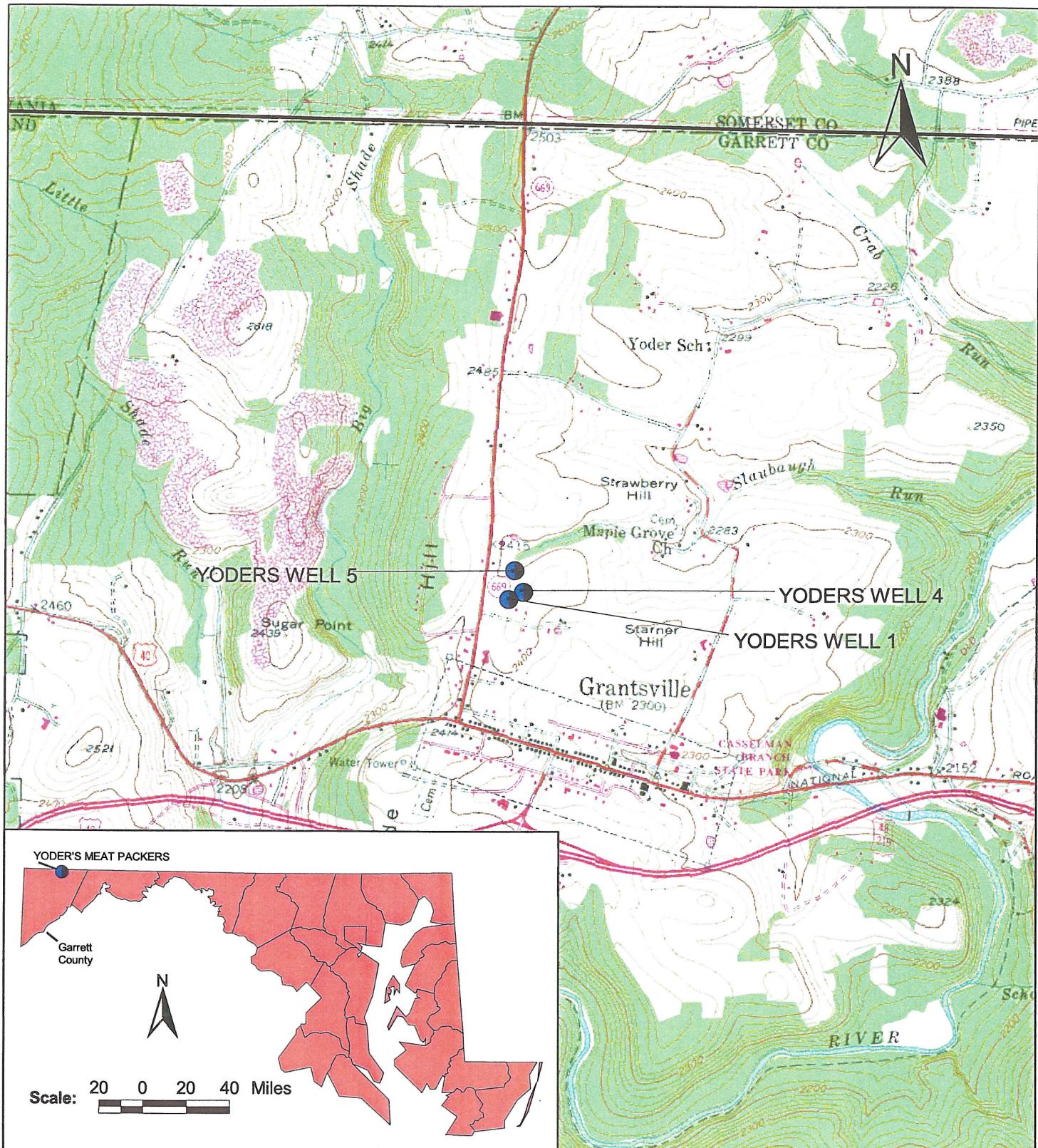
Presently, the system disinfects all water from the wells with sodium hypochlorite (bleach). Also, two parallel ion exchange units are used to reduce hardness.

### 1.2 HYDROGEOLOGY

Garrett County lies entirely within the Appalachian Plateau physiographic province, and is the westernmost county in Maryland. Pleistocene terraces and recent flood plains found along the larger streams and consolidated sedimentary rocks of the mid-Paleozoic (Devonian, Mississippian, and Pennsylvanian age) dominate the surface and subsurface geology. The Mid-Paleozoic units are folded into broad anticlines and synclines that trend northeast-southwest. The anticlinal structures are underlain by Devonian rocks and contain three distinct gas fields. The synclinal structures form the coal basins of the region and are underlain by Pennsylvanian rocks.

The ground water used by Yoder's Meat Packers is derived from the Paleozoic Conemaugh Formation (Pennsylvanian Age). The rocks of the Pennsylvanian age consist of thin units of a repeating and variable sequence of sandstone, siltstone, and shale with subordinate amounts of coal, clay, and argillaceous limestone. The Conemaugh Formation is a "sandstone, shale, siltstone with red beds, shaly limestone and coal seams." This formation is an important water-bearing aquifer in the coal regions [Maryland Geological Survey (MGS) 1980].

The source of ground water in Garrett County is from infiltration of rainfall or snowmelt. The availability of ground water in the predominantly sedimentary bedrock depends on the lithology of the rock, the permeability of the substrate, and the presence or absence of secondary openings from fracturing and weathering. The average well yield in the Conemaugh Formation is 13.3 gallons per minute (gpm) with a range of 1 to 200 gpm, from 273 sampled wells (MGS 1980).



**Figure 1. Yoder's Meat Packers Location Map of Supply Wells**  
Source Water Assessment Program  
2003



Legend:

● Supply Well

Source: United States Geologic Survey. 1994. 7.5-minute Series Topographic Map for Grantsville, Maryland-Pennsylvania.

Scale:

1000 0 1000 2000 Feet

## 2. DELINEATION OF THE AREA CONTRIBUTING WATER TO SOURCE

For ground-water systems, a wellhead protection area (WHPA) is considered to be the source water protection area (SWPA) for the system. Consistent with the recommended delineation in the Maryland Source Water Assessment Plan (SWAP) (MDE 1999), the watershed drainage area that contributes ground water to the supply wells methodology was used.

This original delineation shape was modified by accounting for surface water bodies, topography, significant land features, and by using a conservative calculation of total ground-water recharge during a drought. For conservative purposes, a drought condition recharge value of 400 gpd per acre (or approximately 5.4 in. per year) was used to estimate the total ground-water contribution area required to supply the wells.

For Yoder's Meat Packers, the current Water Appropriation Permit issued by the MDE Water Rights Division is for an average withdrawal of 13,000 gpd. To determine the total ground-water contribution area during a drought, the following equation was used:

$$\text{Recharge Area (acre)} = \text{Average Use (gpd)}/\text{Drought Condition Recharge (gpd/acre)}$$

From the equation above, the total ground-water contributing area during a drought is approximately 33 acres. The delineated SWPA is approximately 114 acres (Figure 2), and is therefore adequate to meet the average daily ground-water usage during a drought.



**Figure 2. Yoder's Meat Packers  
Source Water Protection Area Map  
with Potential Sources of Contamination**

## Source Water Assessment Program 2003

**Legend:**

- Supply Well
- CHS
- SWPA Boundary
- UST
- Miscellaneous
- Pesticide Dealers

Source: United States Geologic Survey. 1994. 7.5-minute Series Topographic Map for Grantsville, Maryland-Pennsylvania.

**Scale:**

1000      0      1000      2000 Feet

### **3. INVENTORY OF POTENTIAL CONTAMINANTS WITHIN THE DELINEATED AREA**

A field survey was performed on 16 December 2002 to confirm potential sources of contamination identified in MDE databases around the ground-water wells. These databases include the Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS), which includes National Priorities List (Superfund) sites, Maryland Registered Underground Storage Tank (UST) sites, Maryland Leaking Underground Storage Tank (LUST) sites, landfills, pesticide dealers, ground-water discharge permits, and Controlled Hazardous Substances (CHS) generator sites.

During the field survey, other sources of potential contamination not in the MDE databases were noted and the location was surveyed using a global positioning system (GPS) receiver for mapping purposes (Figure 2).

#### **3.1 POINT SOURCES**

Yoder's has an above ground storage tank (AST) for unleaded fuel within the SWPA. If the integrity of the tank were compromised it could release petroleum hydrocarbons to the ground surface and potentially to the ground-water aquifer.

Yoder's also has two large storage tanks for liquid sodium hydroxide and liquid sulfur dioxide. Both tanks are in close proximity to the supply wells. Since these compounds are in liquid phase, they potentially can be released to the surface and ultimately into the ground water. Also, the liquid sodium hydroxide has an open-air recirculating pump in which the liquid is exposed in a small holding tank. This tank is very close to Well 5, less than 100 ft away, and upgradient of the well.

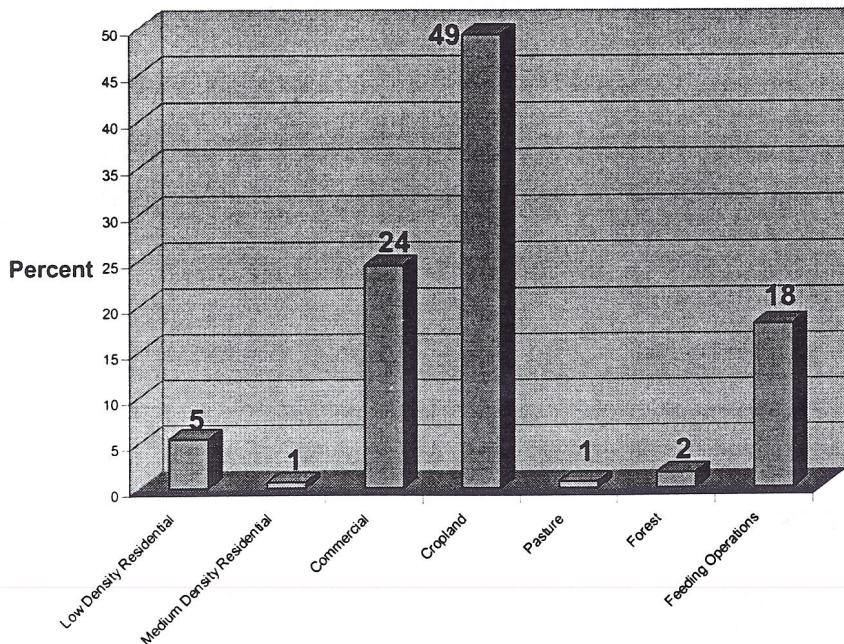
There is an electrical substation within the SWPA. Potential polychlorinated biphenyl (PCB) oil-containing transformers were observed at the property. Prior to 1977, many transformers and electrical equipment contained PCB as an insulator (dielectric fluid). It is possible that the equipment may contain PCB. If the equipment leaks, the PCB oil could eventually leach through the soil overburden into the ground-water aquifer.

On the southern edge of the SWPA is a Southern States BP station and feed supplier. The gas station has several USTs for unleaded gasoline and diesel fuel. There is the potential for containment failure of these tanks and the release of petroleum hydrocarbons into subsurface and then to the ground water.

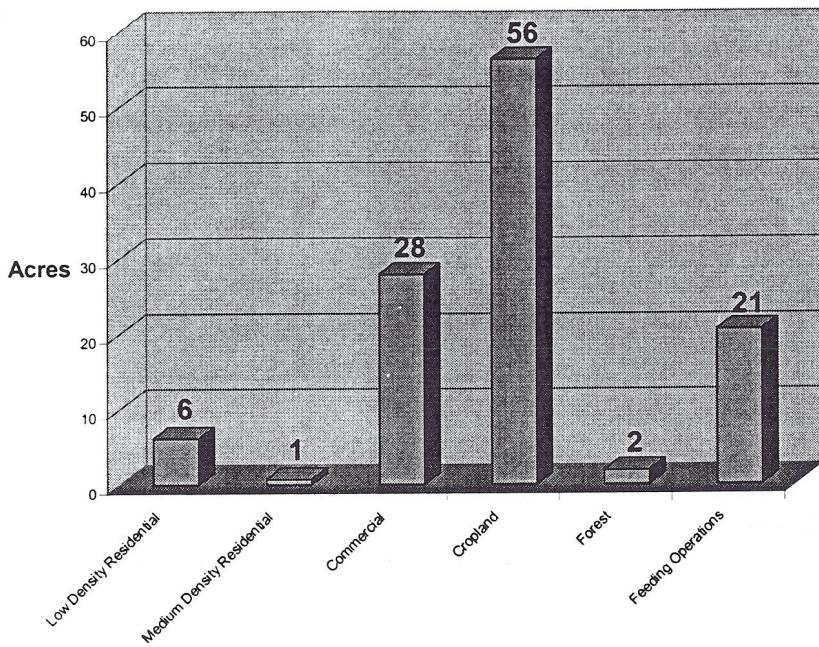
#### **3.2 NON-POINT SOURCES**

Using the Maryland Office of Planning's 2000 Land Use/Land Cover map for Garrett County, potential non-point sources within the SWPA were also evaluated by land use designation (Figure 3). A summary of the percent and acreage of each type of land use within the SWPA is presented in the graphs on the following page.

## PERCENTAGE OF EACH LAND USE TYPE



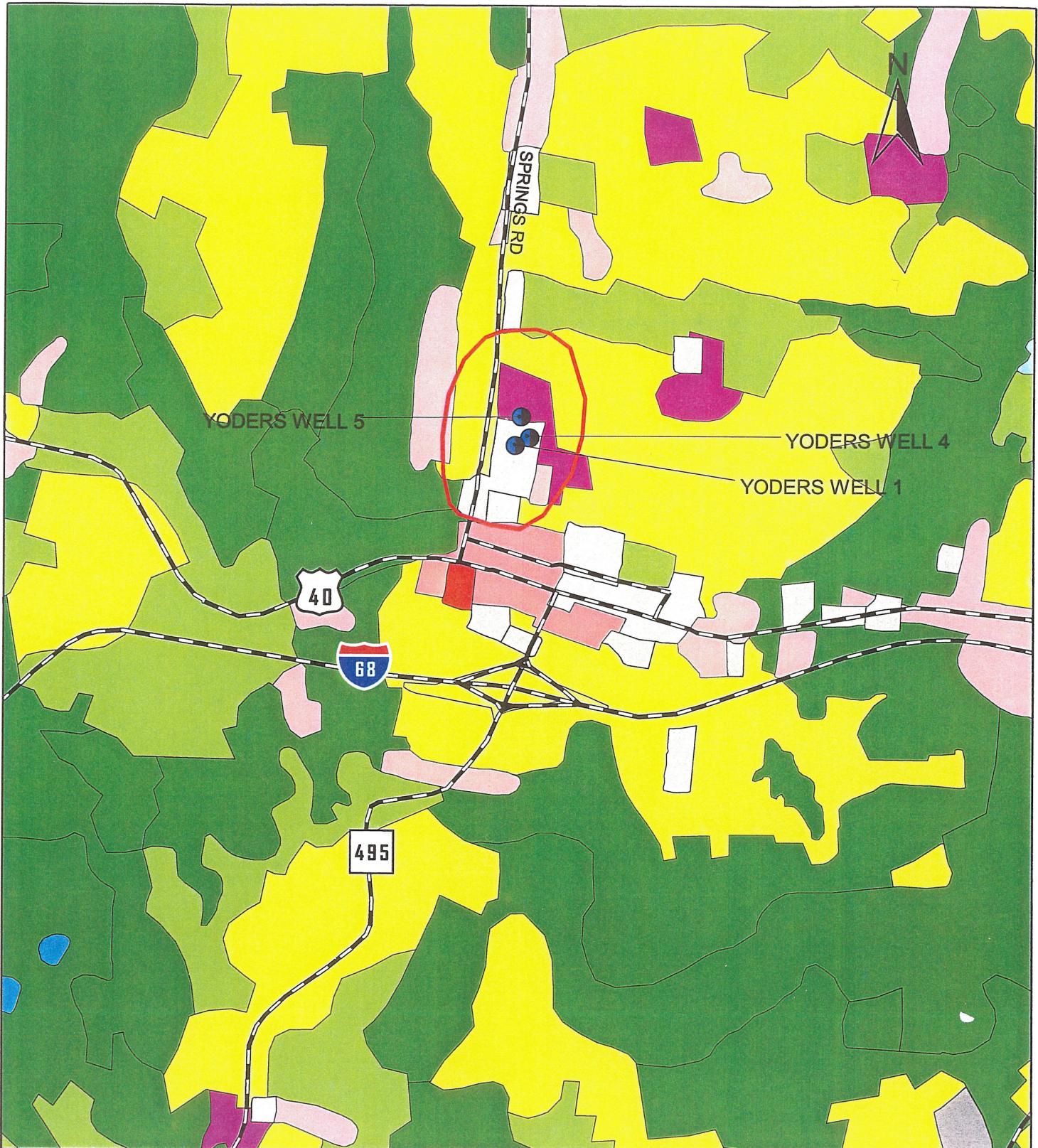
## ACREAGE OF EACH LAND USE TYPE



From an interpretation of the graphs, cropland (56 acres), commercial land (28 acres), and feeding operations (21 acres) account for the majority of the SWPA (114 acres). The use of fertilizers and pesticides in croplands is common. Commercial land has inorganic compounds such as nitrate from septic systems, and, potentially, USTs and ASTs that contain volatile organic compounds (VOCs). Nitrate pollution from animal waste is common in areas associated

with feeding operations. Therefore, there is potential for the migration of contaminants into the ground water.

Using the 1993 Maryland Office of Planning's Garrett County sewerage coverage, potential non-point sources from other septic system users in the SWPA were assessed (Figure 4). By overlaying the SWPA on the sewerage coverage layer in ArcView GIS, it was determined that 72 percent of the SWPA does not have public sewer service and is not planned for service for at least 10 years. Twenty-seven (27) percent of the SWPA is scheduled for a connection to a public system within 3 to 7 years.



**Figure 3. Yoder's Meat Packers  
Land Use Map of the  
Source Water Protection Area**  
Source Water Assessment Program  
2003



Scale: 2000 0 2000 Feet

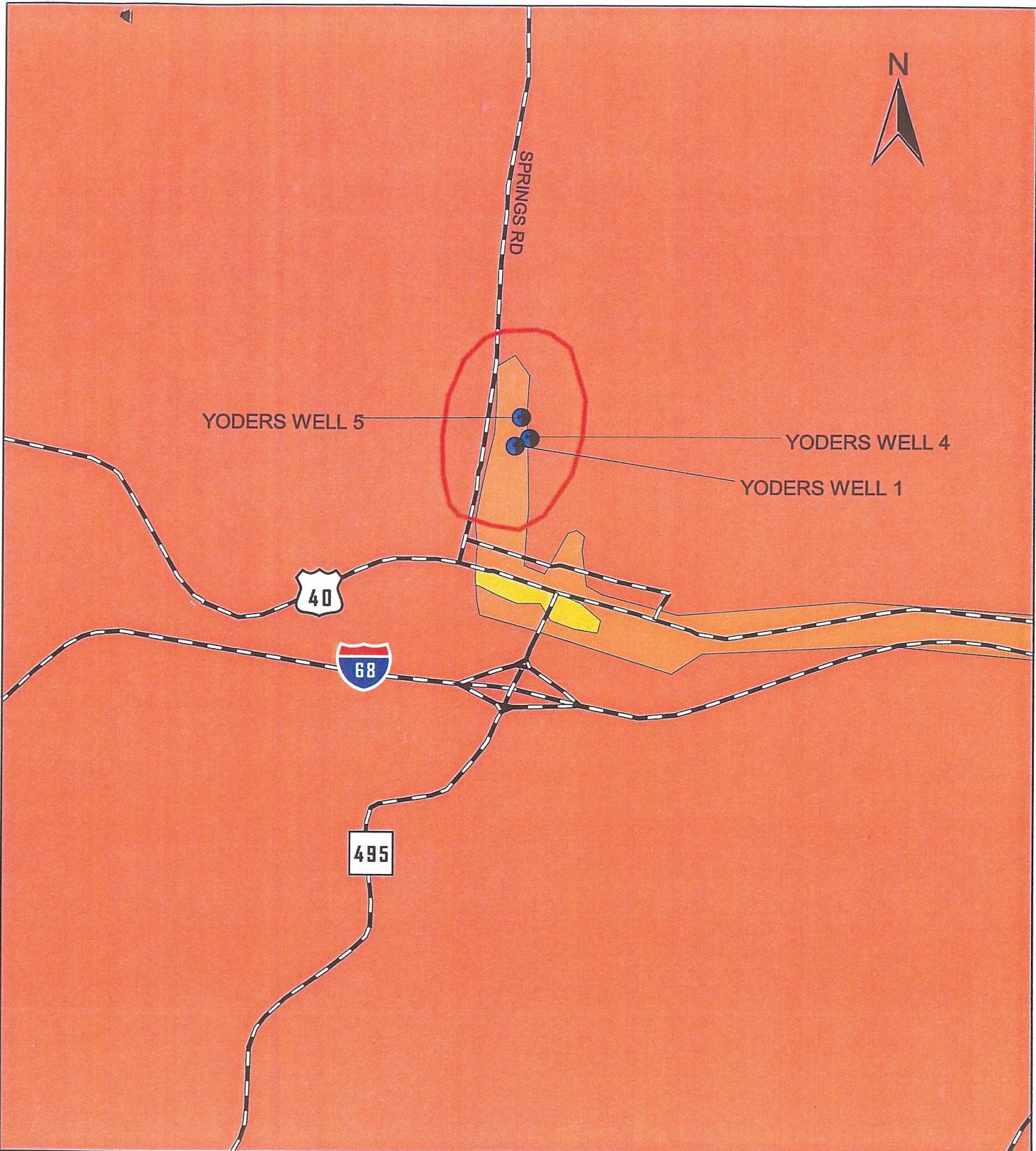
Source: Maryland Office of Planning, 2000.

**Legend:**

- Supply Well
- SWPA Boundary
- Major Roads

**Land Use**

Low Density Residential	Extractive
Medium Density Residential	Cropland
High Density Residential	Pasture
Commercial	Forest
	Water
	Feeding Operations



**Figure 4. Yoder's Meat Packers  
Sewer Service Map of the  
Source Water Protection Area**

Source Water Assessment Program  
2003

**Legend:**

● Supply Well	Sewer
■ SWPA Boundary	No planned service area
— Major Roads	Existing service area
	Area programmed for service 3 to 6-7 years

Source: Maryland Office of Planning, 1993.

**Scale:** 1000 0 1000 2000 Feet

#### 4. REVIEW OF WATER QUALITY DATA

Water quality data were obtained from the MDE Water Supply Program database of Safe Drinking Water Act (SDWA) contaminants. The reported results are for finished (treated) ground water (unless noted).

A review of the water quality data from 1990-2002 has been performed for the Yoder's Meat Packers finished water samples. All detected compounds from the ground-water sample analyses are shown in Appendix A.

Ground-water analytical results were compared to 50 percent of the U.S. Environmental Protection Agency (USEPA) Maximum Contaminant Levels (MCLs) or the USEPA Secondary Drinking Water Regulations (SDWR). If no MCL or SDWR was available, the Drinking Water Equivalent Level (DWEL) was substituted as recommended by the USEPA Office of Water.

##### 4.1 GENERAL WATER QUALITY PARAMETERS

No general water quality parameters were reported in the ground-water samples at concentrations greater than 50 percent of the comparison criteria.

Several water samples reported pH values between 6.6 and 7.5, which is within the acceptable SDWR range of pH values (6.5 to 8.5).

##### 4.2 VOLATILE ORGANIC COMPOUNDS

No VOCs were reported in the ground-water samples at concentrations greater than 50 percent of the comparison criteria.

The disinfection by-products bromodichloromethane (1 µg/L), chloroform (1 µg/L), bromoform (0.9 µg/L), and dibromochloromethane (0.7 and 1 µg/L) (commonly known as trihalomethanes) were detected in water samples submitted for analysis. The maximum total trihalomethane concentration reported is 3.9 µg/L, which is below the current MCL for all trihalomethanes of 100 µg/L and the future MCL of 80 µg/L, which will be effective in January 2004.

Low-levels of p-dichlorobenzene were detected in samples collected on 29 January and 22 May 1998. Reported concentrations were 0.8 and 4 µg/L, respectively and are below the MCL of 75 µg/L.

Methyl-tert-butyl-ether (MTBE) (0.6 µg/L) was detected in a ground-water sample collected on 22 May 1998. The concentration reported is below the USEPA Drinking Water Advisory Level of 20 to 40 µg/L.

A low level of chloromethane (1 µg/L) was detected in a sample collected on 22 May 1998 and is less than the DWEL of 100 µg/L.

### 4.3 SYNTHETIC ORGANIC COMPOUNDS

No synthetic organic compounds (SOCs) were reported in the ground-water samples at concentrations greater than 50 percent of the comparison criteria.

Low levels of di(2-ethylhexyl)phthalate were reported in ground-water samples collected on 5 October 1995 (0.706 µg/L) and 23 March 2000 (1.2 µg/L) and are less than the MCL of 6 µg/L.

### 4.4 INORGANIC COMPOUNDS

The inorganic compound (IOC) manganese was reported at a concentration (0.05 mg/L) that is equal to the SDWR of 0.05 mg/L in a 20 November 1997 water sample. No manganese was reported in two other water samples submitted on 12 November 1997 and 10 February 1999.

Iron was reported greater than the SDWR (0.3 mg/L) in three samples collected on 12 November 1997 (1.4 mg/L), 20 November 1997 (0.4 mg/L), and 10 February 1999 (0.4 mg/L). No other samples were submitted for analysis of iron. A summary of the manganese and iron concentrations in the ground-water sample collected is shown in Table 2.

**TABLE 2. SUMMARY OF MANGANESE AND IRON ANALYSIS**

Plant ID	Sample Date	Contaminant	Result	Unit
01	11/12/97	Manganese	--	mg/L
01	11/20/97	Manganese	0.05	mg/L
01	2/10/99	Manganese	--	mg/L
01	11/12/97	Iron	1.4	mg/L
01	11/20/97	Iron	0.4	mg/L
01	2/10/99	Iron	0.4	mg/L

Notes:

-- Non Detect.

Shaded values are greater than or equal to the SDWR.

Low-level concentrations of nitrate were reported in ground-water samples collected between 15 December 1993 and 14 March 2002, and ranged from 0.2 to 1.1 mg/L. A low level of nitrite (0.008 mg/L) was reported in a ground-water sample collected on 5 October 1995. The reported concentrations of nitrate and nitrite are below the MCLs of 10 and 1 mg/L, respectively.

Concentrations of sodium were detected in ground-water samples collected on 7 October 1998 (104 mg/L) and 23 March 2000 (17.7 mg/L). The reported sodium concentrations are above and below the USEPA Drinking Water Advisory Level range of between 30 and 60 mg/L for taste threshold.

Sulfate was detected in ground-water samples collected between 5 October 1995 and 10 February 1999. Sample concentrations ranged from 11.6 to 21 mg/L, and are less than the SDWR for sulfate of 250 mg/L.

Additionally, low-level concentrations of chloride were detected in ground-water samples collected on 12 November 1997 (46 mg/L), 20 November 1997 (47 mg/L), and 10 February 1999 (66 mg/L). The concentrations reported are below the SDWR for chloride of 250 mg/L.

#### **4.5 MICROBIOLOGICAL CONTAMINANTS**

No total or fecal coliform has been detected in finished water samples from November 1996 to March 2002.

##### **4.5.1 Ground Water Under the Direct Influence (GWUDI)**

Surface water that directly recharges the aquifer through major fractures in rock does not pass through the soil overburden that both filters and contains beneficial microorganisms that break down contaminants. If significant variances in the ground-water sample results from dry and storm conditions are observed, it is possible that the ground water is under the direct influence of surface water. However, no samples have been submitted for GWUDI analysis to date.

#### **4.6 RADIONUCLIDES**

No samples have been submitted for laboratory analysis of radionuclides.

## 5. SUSCEPTIBILITY ANALYSIS

To evaluate the integrity of the ground-water source, the following criteria were used to conduct the susceptibility analysis:

1. Available water quality data
2. Presence of potential contaminant sources in the SWPA
3. Aquifer characteristics
4. Well integrity
5. Likelihood of change to the natural conditions

The wells that are used to supply drinking water to the Yoder's are screened in an unconfined aquifer. In general, unconfined aquifers are more susceptible to contamination from surface activities than confined aquifers. However, the aquifers utilized by the systems are overlain by soil overburden, which serve as a natural microbiological and chemical filter for contaminants. According to the Soil Survey of Garrett County, Maryland [U.S. Department of Agriculture (USDA) 1974], the soils in Garrett County are generally stoney to silty loams, which both generally have a high organic carbon content. Depending on the physical properties of the contaminant, the depth of the overburden, and the size of the spill, contaminants could partition to the organic carbon in the soil before reaching the ground-water aquifer. In addition, naturally occurring microorganisms in the soil can also degrade some contaminants such as benzene and trichloroethene (TCE) to produce energy.

For the Susceptibility Analysis in this report, rankings of "high," "moderate," and "low" susceptibility to contamination were utilized after a review of current information. However, other SWAP reports for the State of Maryland also utilized rankings of "is," "may be," and "is not" susceptible to contamination. For consistency between the ranking systems, the following details their equivalence. The ranking of "highly susceptible" is equivalent to "is susceptible," "moderately susceptible" is equivalent to "may be susceptible," and "low susceptibility" is equivalent to "is not susceptible."

### 5.1 VOLATILE ORGANIC COMPOUNDS

No VOCs were reported at concentrations greater than 50 percent of the MCL.

The trihalomethanes reported in the water samples (with a maximum concentration of 3.9 µg/L) are likely by-products of the chlorination process to eliminate waterborne bacteria. The reported concentrations were less than the current MCL of 100 µg/L and less than the future MCL of 80 µg/L.

Low levels of p-dichlorobenzene (less than 1 µg/L) were detected in samples from January and May 1998. Both reported concentrations were less than the MLC. This compound is typically found in fumigants for controlling mold and wood-boring insects.

MTBE (0.6 µg/L) was reported in a ground-water sample collected in May 1998. MTBE is commonly found in gasoline as an oxygenate additive for cleaner burning and has a USEPA

## 6. RECOMMENDATIONS FOR PROTECTING THE WATER SUPPLY

With the information contained in this report, Yoder's Meat Packers has a basis for better understanding of the risks to its drinking water supply. Being aware of the SWPA, knowing potential contaminant sources, evaluating current and future development, working with agricultural producers and soil conservation agencies, and effective outreach and education are examples of management practices that will help protect the water supply.

Recommendations for the protection of the ground-water supply are intended for the water supplier and its employees. Specific management recommendations for consideration are listed below.

### 6.1 PROTECTION TEAM

The team should represent all the interests in the community, such as water suppliers, community associations officers, the County Health Department, local planning agencies, local businesses, developers, property owners, and residents within and near the SWPAs. The team should work to reach a consensus on how to protect the water supply.

### 6.2 PUBLIC AWARENESS AND OUTREACH

The water supplier should consider discussing the activities that could have impacts to the ground water and its quality with property owners and businesses located within the SWPA.

The water supplier should also consider sending pamphlets, flyers, or bill stuffers to its employees to educate them about the SWPA. An example pamphlet, "Gardening in a Wellhead Protection Area," is available from MDE. The employees should also be encouraged to notify the facility management of any significant spills from gasoline or any other potentially hazardous substances.

Placing signs at the SWPA boundaries is an effective way to make the public aware of protecting their source of water supply, and to help in the event of spill notification and response.

The Executive Summary of this report should be listed in the Consumer Confidence Report for the water system, and should also indicate that the report is available to the general public by contacting the water supplier, the local library, or MDE.

### 6.3 PLANNING/NEW DEVELOPMENT

The water supplier should also inform the Garrett County Health and Planning Department of any concerns about future development or zoning changes for properties that are within the SWPA.

## 6.4 MONITORING

The water supplier should continue to monitor the ground water for all SDWA contaminants as required by MDE.

Annual raw water sampling at the wells for microbiological contaminants is a good way to check the integrity of each source.

A ground-water sample should be collected and submitted for radionuclide analysis.

GWUDI samples are required to be collected and submitted for analysis so that MDE may determine whether the system is directly influenced by surface water runoff.

## 6.5 CONTINGENCY PLAN

As required by the Code of Maryland Regulations (COMAR) 26.04.01.22, all water system owners are required to prepare and submit for approval a plan to provide safe drinking water under emergency conditions.

The water supplier should develop a Spill Contingency Plan. Quick and effective spill response in the event of accidental spills or leaks is an important element in the water supplier's Source Water Protection Plan (SWPP). This plan should identify the procedures and resources to be used to mitigate any discharge of oil or hazardous substances in the SWPA. It should also establish responsibilities, duties, procedures, and resource containment, mitigation, and cleanup of accidental discharges of oil and hazardous substances that may occur within the SWPA. In all cases when spills may present a significant risk of contamination to ground water within the SWPA the local fire department should be notified of the incident.

## 6.6 CHANGES IN USES

The water supplier is required to inform the Water Supply Program at MDE of any changes to pumping rates and when a change in the number of wells used is anticipated. Any changes to the pumping rate and/or the number of supply wells will affect the size and shape of the SWPA.

## 6.7 CONTAMINANT SOURCE INVENTORY UPDATES/INSPECTIONS

The water supplier should conduct its own survey of the SWPA to ensure that there are no additional potential sources of contamination.

A regular inspection and maintenance program of the supply wells should be considered to prevent a failure in the integrity of the well, which could provide a pathway for contaminants to the aquifer.

Any depressions around the wellheads should be filled and graded to prevent surface water ponding that could occur during rain events. This will help to prevent surface water infiltration into the well.

## 6.8 PURCHASE CONSERVATION EASEMENTS OR PROPERTY

Loans are available for the purchase of property or for the purchase of easements for protection of the water supply. Eligible property must lie within the designated SWPA. Loans are currently offered at zero percent interest and zero points. Please contact the Water Supply Program of the MDE for more information.

## 6.9 COOPERATIVE EFFORTS WITH OTHER AGENCIES

The water supplier may request the assistance of the University of Maryland Agricultural Extension Service, Soil Conservation Service to work with the nearby farmers to adopt Best Management Practices (BMPs) for cropland located within the SWPA. The nearby farmers can also participate in the New Conservation Reserve Program (CREP) applicable to the cropland located within the SWPA. Government funding is available to qualified farmers equal to the cost and financial benefit of farming the area. The Natural Resources Conservation Service is responsible for determining the relative environmental benefits of each acre offered for participation.

## **Appendix A**

### **Summary of Yoder's Meat Packers Ground-Water Sample Analysis**

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result ug/L	MCL ug/L
Volatile Organic Compounds				
01	1/17/1995	1,1,1,2-TETRACHLOROETHANE	--	
01	4/3/1995	1,1,1,2-TETRACHLOROETHANE	--	
01	7/3/1995	1,1,1,2-TETRACHLOROETHANE	--	
01	10/5/1995	1,1,1,2-TETRACHLOROETHANE	--	
01	4/22/1996	1,1,1,2-TETRACHLOROETHANE	--	
01	1/31/1997	1,1,1,2-TETRACHLOROETHANE	--	
01	1/29/1998	1,1,1,2-TETRACHLOROETHANE	--	
01	5/22/1998	1,1,1,2-TETRACHLOROETHANE	--	
01	10/6/1998	1,1,1,2-TETRACHLOROETHANE	--	
01	3/30/1999	1,1,1,2-TETRACHLOROETHANE	--	
01	6/16/1999	1,1,1,2-TETRACHLOROETHANE	--	
01	12/28/2000	1,1,1,2-TETRACHLOROETHANE	--	
01	11/16/1990	1,1,1-TRICHLOROETHANE	--	
01	1/17/1995	1,1,1-TRICHLOROETHANE	--	
01	4/3/1995	1,1,1-TRICHLOROETHANE	--	
01	7/3/1995	1,1,1-TRICHLOROETHANE	--	
01	10/5/1995	1,1,1-TRICHLOROETHANE	--	
01	4/22/1996	1,1,1-TRICHLOROETHANE	--	
01	1/31/1997	1,1,1-TRICHLOROETHANE	--	
01	1/29/1998	1,1,1-TRICHLOROETHANE	--	
01	5/22/1998	1,1,1-TRICHLOROETHANE	--	
01	10/6/1998	1,1,1-TRICHLOROETHANE	--	
01	3/30/1999	1,1,1-TRICHLOROETHANE	--	
01	6/16/1999	1,1,1-TRICHLOROETHANE	--	
01	9/15/1999	1,1,1-TRICHLOROETHANE	--	
01	12/28/2000	1,1,1-TRICHLOROETHANE	--	
01	12/18/2001	1,1,1-TRICHLOROETHANE	--	
01	1/17/1995	1,1,2,2-TETRACHLOROETHANE	--	
01	4/3/1995	1,1,2,2-TETRACHLOROETHANE	--	
01	7/3/1995	1,1,2,2-TETRACHLOROETHANE	--	
01	10/5/1995	1,1,2,2-TETRACHLOROETHANE	--	
01	4/22/1996	1,1,2,2-TETRACHLOROETHANE	--	
01	1/31/1997	1,1,2,2-TETRACHLOROETHANE	--	
01	1/29/1998	1,1,2,2-TETRACHLOROETHANE	--	
01	5/22/1998	1,1,2,2-TETRACHLOROETHANE	--	
01	10/6/1998	1,1,2,2-TETRACHLOROETHANE	--	
01	3/30/1999	1,1,2,2-TETRACHLOROETHANE	--	
01	6/16/1999	1,1,2,2-TETRACHLOROETHANE	--	
01	12/28/2000	1,1,2,2-TETRACHLOROETHANE	--	
01	1/17/1995	1,1,2-TRICHLOROETHANE	--	
01	4/3/1995	1,1,2-TRICHLOROETHANE	--	
01	7/3/1995	1,1,2-TRICHLOROETHANE	--	
01	10/5/1995	1,1,2-TRICHLOROETHANE	--	
01	4/22/1996	1,1,2-TRICHLOROETHANE	--	
01	1/31/1997	1,1,2-TRICHLOROETHANE	--	
01	1/29/1998	1,1,2-TRICHLOROETHANE	--	
01	5/22/1998	1,1,2-TRICHLOROETHANE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
Volatile Organic Compounds				
01	10/6/1998	1,1,2-TRICHLOROETHANE	--	
01	3/30/1999	1,1,2-TRICHLOROETHANE	--	
01	6/16/1999	1,1,2-TRICHLOROETHANE	--	
01	9/15/1999	1,1,2-TRICHLOROETHANE	--	
01	12/28/2000	1,1,2-TRICHLOROETHANE	--	
01	12/18/2001	1,1,2-TRICHLOROETHANE	--	
01	1/17/1995	1,1-DICHLOROETHANE	--	
01	4/3/1995	1,1-DICHLOROETHANE	--	
01	7/3/1995	1,1-DICHLOROETHANE	--	
01	10/5/1995	1,1-DICHLOROETHANE	--	
01	4/22/1996	1,1-DICHLOROETHANE	--	
01	1/31/1997	1,1-DICHLOROETHANE	--	
01	1/29/1998	1,1-DICHLOROETHANE	--	
01	5/22/1998	1,1-DICHLOROETHANE	--	
01	10/6/1998	1,1-DICHLOROETHANE	--	
01	3/30/1999	1,1-DICHLOROETHANE	--	
01	6/16/1999	1,1-DICHLOROETHANE	--	
01	12/28/2000	1,1-DICHLOROETHANE	--	
01	11/16/1990	1,1-DICHLOROETHYLENE	--	
01	1/17/1995	1,1-DICHLOROETHYLENE	--	
01	4/3/1995	1,1-DICHLOROETHYLENE	--	
01	7/3/1995	1,1-DICHLOROETHYLENE	--	
01	10/5/1995	1,1-DICHLOROETHYLENE	--	
01	4/22/1996	1,1-DICHLOROETHYLENE	--	
01	1/31/1997	1,1-DICHLOROETHYLENE	--	
01	1/29/1998	1,1-DICHLOROETHYLENE	--	
01	5/22/1998	1,1-DICHLOROETHYLENE	--	
01	10/6/1998	1,1-DICHLOROETHYLENE	--	
01	3/30/1999	1,1-DICHLOROETHYLENE	--	
01	6/16/1999	1,1-DICHLOROETHYLENE	--	
01	9/15/1999	1,1-DICHLOROETHYLENE	--	
01	12/28/2000	1,1-DICHLOROETHYLENE	--	
01	12/18/2001	1,1-DICHLOROETHYLENE	--	
01	1/17/1995	1,1-DICHLOROPROPENE	--	
01	4/3/1995	1,1-DICHLOROPROPENE	--	
01	7/3/1995	1,1-DICHLOROPROPENE	--	
01	10/5/1995	1,1-DICHLOROPROPENE	--	
01	4/22/1996	1,1-DICHLOROPROPENE	--	
01	1/31/1997	1,1-DICHLOROPROPENE	--	
01	1/29/1998	1,1-DICHLOROPROPENE	--	
01	5/22/1998	1,1-DICHLOROPROPENE	--	
01	10/6/1998	1,1-DICHLOROPROPENE	--	
01	3/30/1999	1,1-DICHLOROPROPENE	--	
01	6/16/1999	1,1-DICHLOROPROPENE	--	
01	12/28/2000	1,1-DICHLOROPROPENE	--	
01	1/17/1995	1,2,3-TRICHLOROBENZENE	--	
01	4/3/1995	1,2,3-TRICHLOROBENZENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result ug/L	MCL ug/L
Volatile Organic Compounds				
01	7/3/1995	1,2,3-TRICHLOROBENZENE	--	
01	10/5/1995	1,2,3-TRICHLOROBENZENE	--	
01	4/22/1996	1,2,3-TRICHLOROBENZENE	--	
01	1/31/1997	1,2,3-TRICHLOROBENZENE	--	
01	1/29/1998	1,2,3-TRICHLOROBENZENE	--	
01	5/22/1998	1,2,3-TRICHLOROBENZENE	--	
01	10/6/1998	1,2,3-TRICHLOROBENZENE	--	
01	3/30/1999	1,2,3-TRICHLOROBENZENE	--	
01	6/16/1999	1,2,3-TRICHLOROBENZENE	--	
01	12/28/2000	1,2,3-TRICHLOROBENZENE	--	
01	1/17/1995	1,2,3-TRICHLOROPROPANE	--	
01	4/3/1995	1,2,3-TRICHLOROPROPANE	--	
01	7/3/1995	1,2,3-TRICHLOROPROPANE	--	
01	10/5/1995	1,2,3-TRICHLOROPROPANE	--	
01	4/22/1996	1,2,3-TRICHLOROPROPANE	--	
01	1/31/1997	1,2,3-TRICHLOROPROPANE	--	
01	1/29/1998	1,2,3-TRICHLOROPROPANE	--	
01	5/22/1998	1,2,3-TRICHLOROPROPANE	--	
01	10/6/1998	1,2,3-TRICHLOROPROPANE	--	
01	3/30/1999	1,2,3-TRICHLOROPROPANE	--	
01	6/16/1999	1,2,3-TRICHLOROPROPANE	--	
01	12/28/2000	1,2,3-TRICHLOROPROPANE	--	
01	1/17/1995	1,2,4-TRICHLOROBENZENE	--	
01	4/3/1995	1,2,4-TRICHLOROBENZENE	--	
01	7/3/1995	1,2,4-TRICHLOROBENZENE	--	
01	10/5/1995	1,2,4-TRICHLOROBENZENE	--	
01	4/22/1996	1,2,4-TRICHLOROBENZENE	--	
01	1/31/1997	1,2,4-TRICHLOROBENZENE	--	
01	1/29/1998	1,2,4-TRICHLOROBENZENE	--	
01	5/22/1998	1,2,4-TRICHLOROBENZENE	--	
01	10/6/1998	1,2,4-TRICHLOROBENZENE	--	
01	3/30/1999	1,2,4-TRICHLOROBENZENE	--	
01	6/16/1999	1,2,4-TRICHLOROBENZENE	--	
01	9/15/1999	1,2,4-TRICHLOROBENZENE	--	
01	12/28/2000	1,2,4-TRICHLOROBENZENE	--	
01	12/18/2001	1,2,4-TRICHLOROBENZENE	--	
01	1/17/1995	1,2,4-TRIMETHYLBENZENE	--	
01	4/3/1995	1,2,4-TRIMETHYLBENZENE	--	
01	7/3/1995	1,2,4-TRIMETHYLBENZENE	--	
01	10/5/1995	1,2,4-TRIMETHYLBENZENE	--	
01	4/22/1996	1,2,4-TRIMETHYLBENZENE	--	
01	1/31/1997	1,2,4-TRIMETHYLBENZENE	--	
01	1/29/1998	1,2,4-TRIMETHYLBENZENE	--	
01	5/22/1998	1,2,4-TRIMETHYLBENZENE	--	
01	10/6/1998	1,2,4-TRIMETHYLBENZENE	--	
01	3/30/1999	1,2,4-TRIMETHYLBENZENE	--	
01	6/16/1999	1,2,4-TRIMETHYLBENZENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
Volatile Organic Compounds				
01	12/28/2000	1,2,4-TRIMETHYLBENZENE	--	
01	11/16/1990	1,2-DICHLOROETHANE	--	
01	1/17/1995	1,2-DICHLOROETHANE	--	
01	4/3/1995	1,2-DICHLOROETHANE	--	
01	7/3/1995	1,2-DICHLOROETHANE	--	
01	10/5/1995	1,2-DICHLOROETHANE	--	
01	4/22/1996	1,2-DICHLOROETHANE	--	
01	1/31/1997	1,2-DICHLOROETHANE	--	
01	1/29/1998	1,2-DICHLOROETHANE	--	
01	5/22/1998	1,2-DICHLOROETHANE	--	
01	10/6/1998	1,2-DICHLOROETHANE	--	
01	3/30/1999	1,2-DICHLOROETHANE	--	
01	6/16/1999	1,2-DICHLOROETHANE	--	
01	9/15/1999	1,2-DICHLOROETHANE	--	
01	12/28/2000	1,2-DICHLOROETHANE	--	
01	12/18/2001	1,2-DICHLOROETHANE	--	
01	1/17/1995	1,2-DICHLOROPROPANE	--	
01	4/3/1995	1,2-DICHLOROPROPANE	--	
01	7/3/1995	1,2-DICHLOROPROPANE	--	
01	10/5/1995	1,2-DICHLOROPROPANE	--	
01	4/22/1996	1,2-DICHLOROPROPANE	--	
01	1/31/1997	1,2-DICHLOROPROPANE	--	
01	1/29/1998	1,2-DICHLOROPROPANE	--	
01	5/22/1998	1,2-DICHLOROPROPANE	--	
01	10/6/1998	1,2-DICHLOROPROPANE	--	
01	3/30/1999	1,2-DICHLOROPROPANE	--	
01	6/16/1999	1,2-DICHLOROPROPANE	--	
01	9/15/1999	1,2-DICHLOROPROPANE	--	
01	12/28/2000	1,2-DICHLOROPROPANE	--	
01	12/18/2001	1,2-DICHLOROPROPANE	--	
01	1/17/1995	1,3,5-TRIMETHYLBENZENE	--	
01	4/3/1995	1,3,5-TRIMETHYLBENZENE	--	
01	7/3/1995	1,3,5-TRIMETHYLBENZENE	--	
01	10/5/1995	1,3,5-TRIMETHYLBENZENE	--	
01	4/22/1996	1,3,5-TRIMETHYLBENZENE	--	
01	1/31/1997	1,3,5-TRIMETHYLBENZENE	--	
01	1/29/1998	1,3,5-TRIMETHYLBENZENE	--	
01	5/22/1998	1,3,5-TRIMETHYLBENZENE	--	
01	10/6/1998	1,3,5-TRIMETHYLBENZENE	--	
01	3/30/1999	1,3,5-TRIMETHYLBENZENE	--	
01	6/16/1999	1,3,5-TRIMETHYLBENZENE	--	
01	12/28/2000	1,3,5-TRIMETHYLBENZENE	--	
01	1/17/1995	1,3-DICHLOROPROPANE	--	
01	4/3/1995	1,3-DICHLOROPROPANE	--	
01	7/3/1995	1,3-DICHLOROPROPANE	--	
01	10/5/1995	1,3-DICHLOROPROPANE	--	
01	4/22/1996	1,3-DICHLOROPROPANE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
01	1/31/1997	1,3-DICHLOROPROPANE	--	
01	1/29/1998	1,3-DICHLOROPROPANE	--	
01	5/22/1998	1,3-DICHLOROPROPANE	--	
01	10/6/1998	1,3-DICHLOROPROPANE	--	
01	3/30/1999	1,3-DICHLOROPROPANE	--	
01	6/16/1999	1,3-DICHLOROPROPANE	--	
01	12/28/2000	1,3-DICHLOROPROPANE	--	
01	1/17/1995	1,3-DICHLOROPROPENE	--	
01	4/3/1995	1,3-DICHLOROPROPENE	--	
01	7/3/1995	1,3-DICHLOROPROPENE	--	
01	10/5/1995	1,3-DICHLOROPROPENE	--	
01	4/22/1996	1,3-DICHLOROPROPENE	--	
01	1/31/1997	1,3-DICHLOROPROPENE	--	
01	1/29/1998	1,3-DICHLOROPROPENE	--	
01	5/22/1998	1,3-DICHLOROPROPENE	--	
01	10/6/1998	1,3-DICHLOROPROPENE	--	
01	3/30/1999	1,3-DICHLOROPROPENE	--	
01	6/16/1999	1,3-DICHLOROPROPENE	--	
01	12/28/2000	1,3-DICHLOROPROPENE	--	
01	1/17/1995	2,2-DICHLOROPROPANE	--	
01	4/3/1995	2,2-DICHLOROPROPANE	--	
01	7/3/1995	2,2-DICHLOROPROPANE	--	
01	10/5/1995	2,2-DICHLOROPROPANE	--	
01	4/22/1996	2,2-DICHLOROPROPANE	--	
01	1/31/1997	2,2-DICHLOROPROPANE	--	
01	1/29/1998	2,2-DICHLOROPROPANE	--	
01	5/22/1998	2,2-DICHLOROPROPANE	--	
01	10/6/1998	2,2-DICHLOROPROPANE	--	
01	3/30/1999	2,2-DICHLOROPROPANE	--	
01	6/16/1999	2,2-DICHLOROPROPANE	--	
01	12/28/2000	2,2-DICHLOROPROPANE	--	
01	11/16/1990	BENZENE	--	
01	1/17/1995	BENZENE	--	
01	4/3/1995	BENZENE	--	
01	7/3/1995	BENZENE	--	
01	10/5/1995	BENZENE	--	
01	4/22/1996	BENZENE	--	
01	1/31/1997	BENZENE	--	
01	1/29/1998	BENZENE	--	
01	5/22/1998	BENZENE	--	
01	10/6/1998	BENZENE	--	
01	3/30/1999	BENZENE	--	
01	6/16/1999	BENZENE	--	
01	9/15/1999	BENZENE	--	
01	12/28/2000	BENZENE	--	
01	12/18/2001	BENZENE	--	
01	1/17/1995	BROMOBENZENE	--	

---Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
Volatile Organic Compounds				
01	4/3/1995	BROMOBENZENE	--	
01	7/3/1995	BROMOBENZENE	--	
01	10/5/1995	BROMOBENZENE	--	
01	4/22/1996	BROMOBENZENE	--	
01	1/31/1997	BROMOBENZENE	--	
01	1/29/1998	BROMOBENZENE	--	
01	5/22/1998	BROMOBENZENE	--	
01	10/6/1998	BROMOBENZENE	--	
01	3/30/1999	BROMOBENZENE	--	
01	6/16/1999	BROMOBENZENE	--	
01	12/28/2000	BROMOBENZENE	--	
01	1/17/1995	BROMOCHLOROMETHANE	--	
01	4/3/1995	BROMOCHLOROMETHANE	--	
01	7/3/1995	BROMOCHLOROMETHANE	--	
01	10/5/1995	BROMOCHLOROMETHANE	--	
01	4/22/1996	BROMOCHLOROMETHANE	--	
01	1/31/1997	BROMOCHLOROMETHANE	--	
01	1/29/1998	BROMOCHLOROMETHANE	--	
01	5/22/1998	BROMOCHLOROMETHANE	--	
01	10/6/1998	BROMOCHLOROMETHANE	--	
01	3/30/1999	BROMOCHLOROMETHANE	--	
01	6/16/1999	BROMOCHLOROMETHANE	--	
01	12/28/2000	BROMOCHLOROMETHANE	--	
01	7/3/1995	BROMODICHLOROMETHANE	--	
01	10/5/1995	BROMODICHLOROMETHANE	--	
01	4/22/1996	BROMODICHLOROMETHANE	--	
01	1/31/1997	BROMODICHLOROMETHANE	--	
01	1/29/1998	BROMODICHLOROMETHANE	--	
01	5/22/1998	BROMODICHLOROMETHANE	--	
01	10/6/1998	BROMODICHLOROMETHANE	1	100 #
01	3/30/1999	BROMODICHLOROMETHANE	--	
01	6/16/1999	BROMODICHLOROMETHANE	--	
01	12/28/2000	BROMODICHLOROMETHANE	--	
01	7/3/1995	BROMOFORM	--	
01	10/5/1995	BROMOFORM	--	
01	4/22/1996	BROMOFORM	--	
01	1/31/1997	BROMOFORM	--	
01	1/29/1998	BROMOFORM	--	
01	5/22/1998	BROMOFORM	--	
01	10/6/1998	BROMOFORM	0.9	100 #
01	3/30/1999	BROMOFORM	--	
01	6/16/1999	BROMOFORM	--	
01	12/28/2000	BROMOFORM	--	
01	1/17/1995	BROMOMETHANE	--	
01	4/3/1995	BROMOMETHANE	--	
01	7/3/1995	BROMOMETHANE	--	
01	10/5/1995	BROMOMETHANE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result ug/L	MCL ug/L
Volatile Organic Compounds				
01	4/22/1996	BROMOMETHANE	--	
01	1/31/1997	BROMOMETHANE	--	
01	1/29/1998	BROMOMETHANE	--	
01	5/22/1998	BROMOMETHANE	--	
01	10/6/1998	BROMOMETHANE	--	
01	3/30/1999	BROMOMETHANE	--	
01	6/16/1999	BROMOMETHANE	--	
01	12/28/2000	BROMOMETHANE	--	
01	11/16/1990	CARBON TETRACHLORIDE	--	
01	1/17/1995	CARBON TETRACHLORIDE	--	
01	4/3/1995	CARBON TETRACHLORIDE	--	
01	7/3/1995	CARBON TETRACHLORIDE	--	
01	10/5/1995	CARBON TETRACHLORIDE	--	
01	4/22/1996	CARBON TETRACHLORIDE	--	
01	1/31/1997	CARBON TETRACHLORIDE	--	
01	1/29/1998	CARBON TETRACHLORIDE	--	
01	5/22/1998	CARBON TETRACHLORIDE	--	
01	10/6/1998	CARBON TETRACHLORIDE	--	
01	3/30/1999	CARBON TETRACHLORIDE	--	
01	6/16/1999	CARBON TETRACHLORIDE	--	
01	9/15/1999	CARBON TETRACHLORIDE	--	
01	12/28/2000	CARBON TETRACHLORIDE	--	
01	12/18/2001	CARBON TETRACHLORIDE	--	
01	1/17/1995	CHLOROETHANE	--	
01	4/3/1995	CHLOROETHANE	--	
01	7/3/1995	CHLOROETHANE	--	
01	10/5/1995	CHLOROETHANE	--	
01	4/22/1996	CHLOROETHANE	--	
01	1/31/1997	CHLOROETHANE	--	
01	1/29/1998	CHLOROETHANE	--	
01	5/22/1998	CHLOROETHANE	--	
01	10/6/1998	CHLOROETHANE	--	
01	3/30/1999	CHLOROETHANE	--	
01	6/16/1999	CHLOROETHANE	--	
01	12/28/2000	CHLOROETHANE	--	
01	7/3/1995	CHLOROFORM	--	
01	10/5/1995	CHLOROFORM	--	
01	4/22/1996	CHLOROFORM	--	
01	1/31/1997	CHLOROFORM	--	
01	1/29/1998	CHLOROFORM	--	
01	5/22/1998	CHLOROFORM	--	
01	10/6/1998	CHLOROFORM	1	100 #
01	3/30/1999	CHLOROFORM	--	
01	6/16/1999	CHLOROFORM	--	
01	12/28/2000	CHLOROFORM	--	
01	1/17/1995	CHLOROMETHANE	--	
01	4/3/1995	CHLOROMETHANE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result ug/L	MCL ug/L
01	7/3/1995	CHLOROMETHANE	--	
01	10/5/1995	CHLOROMETHANE	--	
01	4/22/1996	CHLOROMETHANE	--	
01	1/31/1997	CHLOROMETHANE	--	
01	1/29/1998	CHLOROMETHANE	--	
01	5/22/1998	CHLOROMETHANE	1	100 ^
01	10/6/1998	CHLOROMETHANE	--	
01	3/30/1999	CHLOROMETHANE	--	
01	6/16/1999	CHLOROMETHANE	--	
01	12/28/2000	CHLOROMETHANE	--	
01	1/17/1995	cis-1,2-DICHLOROETHYLENE	--	
01	4/3/1995	cis-1,2-DICHLOROETHYLENE	--	
01	7/3/1995	cis-1,2-DICHLOROETHYLENE	--	
01	10/5/1995	cis-1,2-DICHLOROETHYLENE	--	
01	4/22/1996	cis-1,2-DICHLOROETHYLENE	--	
01	1/31/1997	cis-1,2-DICHLOROETHYLENE	--	
01	1/29/1998	cis-1,2-DICHLOROETHYLENE	--	
01	5/22/1998	cis-1,2-DICHLOROETHYLENE	--	
01	10/6/1998	cis-1,2-DICHLOROETHYLENE	--	
01	3/30/1999	cis-1,2-DICHLOROETHYLENE	--	
01	6/16/1999	cis-1,2-DICHLOROETHYLENE	--	
01	9/15/1999	cis-1,2-DICHLOROETHYLENE	--	
01	12/28/2000	cis-1,2-DICHLOROETHYLENE	--	
01	12/18/2001	cis-1,2-DICHLOROETHYLENE	--	
01	7/3/1995	DIBROMOCHLOROMETHANE	--	
01	10/5/1995	DIBROMOCHLOROMETHANE	--	
01	4/22/1996	DIBROMOCHLOROMETHANE	--	
01	1/31/1997	DIBROMOCHLOROMETHANE	--	
01	1/29/1998	DIBROMOCHLOROMETHANE	0.7	100 #
01	5/22/1998	DIBROMOCHLOROMETHANE	--	
01	10/6/1998	DIBROMOCHLOROMETHANE	1	100 #
01	3/30/1999	DIBROMOCHLOROMETHANE	--	
01	6/16/1999	DIBROMOCHLOROMETHANE	--	
01	12/28/2000	DIBROMOCHLOROMETHANE	--	
01	1/17/1995	DIBROMOMETHANE	--	
01	4/3/1995	DIBROMOMETHANE	--	
01	7/3/1995	DIBROMOMETHANE	--	
01	10/5/1995	DIBROMOMETHANE	--	
01	4/22/1996	DIBROMOMETHANE	--	
01	1/31/1997	DIBROMOMETHANE	--	
01	1/29/1998	DIBROMOMETHANE	--	
01	5/22/1998	DIBROMOMETHANE	--	
01	10/6/1998	DIBROMOMETHANE	--	
01	3/30/1999	DIBROMOMETHANE	--	
01	6/16/1999	DIBROMOMETHANE	--	
01	12/28/2000	DIBROMOMETHANE	--	
01	1/17/1995	DICHLORODIFLUOROMETHANE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result ug/L	MCL ug/L
		<b>Volatile Organic Compounds</b>		
01	4/3/1995	DICHLORODIFLUOROMETHANE	--	
01	7/3/1995	DICHLORODIFLUOROMETHANE	--	
01	10/5/1995	DICHLORODIFLUOROMETHANE	--	
01	4/22/1996	DICHLORODIFLUOROMETHANE	--	
01	1/31/1997	DICHLORODIFLUOROMETHANE	--	
01	1/29/1998	DICHLORODIFLUOROMETHANE	--	
01	5/22/1998	DICHLORODIFLUOROMETHANE	--	
01	10/6/1998	DICHLORODIFLUOROMETHANE	--	
01	3/30/1999	DICHLORODIFLUOROMETHANE	--	
01	6/16/1999	DICHLORODIFLUOROMETHANE	--	
01	12/28/2000	DICHLORODIFLUOROMETHANE	--	
01	1/17/1995	ETHYLBENZENE	--	
01	4/3/1995	ETHYLBENZENE	--	
01	7/3/1995	ETHYLBENZENE	--	
01	10/5/1995	ETHYLBENZENE	--	
01	4/22/1996	ETHYLBENZENE	--	
01	1/31/1997	ETHYLBENZENE	--	
01	1/29/1998	ETHYLBENZENE	--	
01	5/22/1998	ETHYLBENZENE	--	
01	10/6/1998	ETHYLBENZENE	--	
01	3/30/1999	ETHYLBENZENE	--	
01	6/16/1999	ETHYLBENZENE	--	
01	9/15/1999	ETHYLBENZENE	--	
01	12/28/2000	ETHYLBENZENE	--	
01	12/18/2001	ETHYLBENZENE	--	
01	1/17/1995	HEXACHLOROBUTADIENE	--	
01	4/3/1995	HEXACHLOROBUTADIENE	--	
01	7/3/1995	HEXACHLOROBUTADIENE	--	
01	10/5/1995	HEXACHLOROBUTADIENE	--	
01	4/22/1996	HEXACHLOROBUTADIENE	--	
01	1/31/1997	HEXACHLOROBUTADIENE	--	
01	1/29/1998	HEXACHLOROBUTADIENE	--	
01	5/22/1998	HEXACHLOROBUTADIENE	--	
01	10/6/1998	HEXACHLOROBUTADIENE	--	
01	3/30/1999	HEXACHLOROBUTADIENE	--	
01	6/16/1999	HEXACHLOROBUTADIENE	--	
01	12/28/2000	HEXACHLOROBUTADIENE	--	
01	1/17/1995	ISOPROPYLBENZENE	--	
01	4/3/1995	ISOPROPYLBENZENE	--	
01	7/3/1995	ISOPROPYLBENZENE	--	
01	10/5/1995	ISOPROPYLBENZENE	--	
01	4/22/1996	ISOPROPYLBENZENE	--	
01	1/31/1997	ISOPROPYLBENZENE	--	
01	1/29/1998	ISOPROPYLBENZENE	--	
01	5/22/1998	ISOPROPYLBENZENE	--	
01	10/6/1998	ISOPROPYLBENZENE	--	
01	3/30/1999	ISOPROPYLBENZENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result	MCL
Volatile Organic Compounds			µg/L	µg/L
01	6/16/1999	ISOPROPYLBENZENE	--	
01	12/28/2000	ISOPROPYLBENZENE	--	
01	1/17/1995	m-DICHLOROBENZENE	--	
01	4/3/1995	m-DICHLOROBENZENE	--	
01	7/3/1995	m-DICHLOROBENZENE	--	
01	10/5/1995	m-DICHLOROBENZENE	--	
01	4/22/1996	m-DICHLOROBENZENE	--	
01	1/31/1997	m-DICHLOROBENZENE	--	
01	1/29/1998	m-DICHLOROBENZENE	--	
01	5/22/1998	m-DICHLOROBENZENE	--	
01	10/6/1998	m-DICHLOROBENZENE	--	
01	3/30/1999	m-DICHLOROBENZENE	--	
01	6/16/1999	m-DICHLOROBENZENE	--	
01	12/28/2000	m-DICHLOROBENZENE	--	
01	1/17/1995	METHYLENE CHLORIDE	--	
01	4/3/1995	METHYLENE CHLORIDE	--	
01	7/3/1995	METHYLENE CHLORIDE	--	
01	10/5/1995	METHYLENE CHLORIDE	--	
01	4/22/1996	METHYLENE CHLORIDE	--	
01	1/31/1997	METHYLENE CHLORIDE	--	
01	1/29/1998	METHYLENE CHLORIDE	--	
01	5/22/1998	METHYLENE CHLORIDE	--	
01	10/6/1998	METHYLENE CHLORIDE	--	
01	3/30/1999	METHYLENE CHLORIDE	--	
01	6/16/1999	METHYLENE CHLORIDE	--	
01	9/15/1999	METHYLENE CHLORIDE	--	
01	12/28/2000	METHYLENE CHLORIDE	--	
01	12/18/2001	METHYLENE CHLORIDE	--	
01	1/17/1995	METHYL-TERT-BUTYL-ETHER	--	
01	1/17/1995	METHYL-TERT-BUTYL-ETHER	--	
01	4/3/1995	METHYL-TERT-BUTYL-ETHER	--	
01	4/3/1995	METHYL-TERT-BUTYL-ETHER	--	
01	7/3/1995	METHYL-TERT-BUTYL-ETHER	--	
01	7/3/1995	METHYL-TERT-BUTYL-ETHER	--	
01	10/5/1995	METHYL-TERT-BUTYL-ETHER	--	
01	10/5/1995	METHYL-TERT-BUTYL-ETHER	--	
01	4/22/1996	METHYL-TERT-BUTYL-ETHER	--	
01	4/22/1996	METHYL-TERT-BUTYL-ETHER	--	
01	1/31/1997	METHYL-TERT-BUTYL-ETHER	--	
01	1/31/1997	METHYL-TERT-BUTYL-ETHER	--	
01	1/29/1998	METHYL-TERT-BUTYL-ETHER	--	
01	1/29/1998	METHYL-TERT-BUTYL-ETHER	--	
01	5/22/1998	METHYL-TERT-BUTYL-ETHER	0.6	40 +
01	5/22/1998	METHYL-TERT-BUTYL-ETHER	0.6	40 +
01	10/6/1998	METHYL-TERT-BUTYL-ETHER	--	
01	10/6/1998	METHYL-TERT-BUTYL-ETHER	--	
01	3/30/1999	METHYL-TERT-BUTYL-ETHER	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
	Volatile Organic Compounds			
01	3/30/1999	METHYL-TERT-BUTYL-ETHER	--	
01	6/16/1999	METHYL-TERT-BUTYL-ETHER	--	
01	6/16/1999	METHYL-TERT-BUTYL-ETHER	--	
01	12/28/2000	METHYL-TERT-BUTYL-ETHER	--	
01	12/28/2000	METHYL-TERT-BUTYL-ETHER	--	
01	1/17/1995	MONOCHLOROBENZENE	--	
01	4/3/1995	MONOCHLOROBENZENE	--	
01	7/3/1995	MONOCHLOROBENZENE	--	
01	10/5/1995	MONOCHLOROBENZENE	--	
01	4/22/1996	MONOCHLOROBENZENE	--	
01	1/31/1997	MONOCHLOROBENZENE	--	
01	1/29/1998	MONOCHLOROBENZENE	--	
01	5/22/1998	MONOCHLOROBENZENE	--	
01	10/6/1998	MONOCHLOROBENZENE	--	
01	3/30/1999	MONOCHLOROBENZENE	--	
01	6/16/1999	MONOCHLOROBENZENE	--	
01	9/15/1999	MONOCHLOROBENZENE	--	
01	12/28/2000	MONOCHLOROBENZENE	--	
01	12/18/2001	MONOCHLOROBENZENE	--	
01	1/17/1995	m-XYLENE	--	
01	4/3/1995	m-XYLENE	--	
01	7/3/1995	m-XYLENE	--	
01	10/5/1995	m-XYLENE	--	
01	4/22/1996	m-XYLENE	--	
01	1/31/1997	m-XYLENE	--	
01	1/29/1998	m-XYLENE	--	
01	5/22/1998	m-XYLENE	--	
01	10/6/1998	m-XYLENE	--	
01	3/30/1999	m-XYLENE	--	
01	6/16/1999	m-XYLENE	--	
01	12/28/2000	m-XYLENE	--	
01	1/17/1995	NAPHTHALENE	--	
01	4/3/1995	NAPHTHALENE	--	
01	7/3/1995	NAPHTHALENE	--	
01	10/5/1995	NAPHTHALENE	--	
01	4/22/1996	NAPHTHALENE	--	
01	1/31/1997	NAPHTHALENE	--	
01	1/29/1998	NAPHTHALENE	--	
01	5/22/1998	NAPHTHALENE	--	
01	10/6/1998	NAPHTHALENE	--	
01	3/30/1999	NAPHTHALENE	--	
01	6/16/1999	NAPHTHALENE	--	
01	12/28/2000	NAPHTHALENE	--	
01	1/17/1995	N-BUTYLBENZENE	--	
01	4/3/1995	N-BUTYLBENZENE	--	
01	7/3/1995	N-BUTYLBENZENE	--	
01	10/5/1995	N-BUTYLBENZENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
01	4/22/1996	N-BUTYLBENZENE	--	
01	1/31/1997	N-BUTYLBENZENE	--	
01	1/29/1998	N-BUTYLBENZENE	--	
01	5/22/1998	N-BUTYLBENZENE	--	
01	10/6/1998	N-BUTYLBENZENE	--	
01	3/30/1999	N-BUTYLBENZENE	--	
01	6/16/1999	N-BUTYLBENZENE	--	
01	12/28/2000	N-BUTYLBENZENE	--	
01	1/17/1995	n-PROPYLBENZENE	--	
01	4/3/1995	n-PROPYLBENZENE	--	
01	7/3/1995	n-PROPYLBENZENE	--	
01	10/5/1995	n-PROPYLBENZENE	--	
01	4/22/1996	n-PROPYLBENZENE	--	
01	1/31/1997	n-PROPYLBENZENE	--	
01	1/29/1998	n-PROPYLBENZENE	--	
01	5/22/1998	n-PROPYLBENZENE	--	
01	10/6/1998	n-PROPYLBENZENE	--	
01	3/30/1999	n-PROPYLBENZENE	--	
01	6/16/1999	n-PROPYLBENZENE	--	
01	12/28/2000	n-PROPYLBENZENE	--	
01	1/17/1995	o-CHLOROTOLUENE	--	
01	4/3/1995	o-CHLOROTOLUENE	--	
01	7/3/1995	o-CHLOROTOLUENE	--	
01	10/5/1995	o-CHLOROTOLUENE	--	
01	4/22/1996	o-CHLOROTOLUENE	--	
01	1/31/1997	o-CHLOROTOLUENE	--	
01	1/29/1998	o-CHLOROTOLUENE	--	
01	5/22/1998	o-CHLOROTOLUENE	--	
01	10/6/1998	o-CHLOROTOLUENE	--	
01	3/30/1999	o-CHLOROTOLUENE	--	
01	6/16/1999	o-CHLOROTOLUENE	--	
01	12/28/2000	o-CHLOROTOLUENE	--	
01	1/17/1995	o-DICHLOROBENZENE	--	
01	4/3/1995	o-DICHLOROBENZENE	--	
01	7/3/1995	o-DICHLOROBENZENE	--	
01	10/5/1995	o-DICHLOROBENZENE	--	
01	4/22/1996	o-DICHLOROBENZENE	--	
01	1/31/1997	o-DICHLOROBENZENE	--	
01	1/29/1998	o-DICHLOROBENZENE	--	
01	5/22/1998	o-DICHLOROBENZENE	--	
01	10/6/1998	o-DICHLOROBENZENE	--	
01	3/30/1999	o-DICHLOROBENZENE	--	
01	6/16/1999	o-DICHLOROBENZENE	--	
01	9/15/1999	o-DICHLOROBENZENE	--	
01	12/28/2000	o-DICHLOROBENZENE	--	
01	12/18/2001	o-DICHLOROBENZENE	--	
01	1/17/1995	o-XYLENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result	MCL
Volatile Organic Compounds			µg/L	µg/L
01	4/3/1995	o-XYLENE	--	
01	7/3/1995	o-XYLENE	--	
01	10/5/1995	o-XYLENE	--	
01	4/22/1996	o-XYLENE	--	
01	1/31/1997	o-XYLENE	--	
01	1/29/1998	o-XYLENE	--	
01	5/22/1998	o-XYLENE	--	
01	10/6/1998	o-XYLENE	--	
01	3/30/1999	o-XYLENE	--	
01	6/16/1999	o-XYLENE	--	
01	12/28/2000	o-XYLENE	--	
01	1/17/1995	p-CHLOROTOLUENE	--	
01	4/3/1995	p-CHLOROTOLUENE	--	
01	7/3/1995	p-CHLOROTOLUENE	--	
01	10/5/1995	p-CHLOROTOLUENE	--	
01	4/22/1996	p-CHLOROTOLUENE	--	
01	1/31/1997	p-CHLOROTOLUENE	--	
01	1/29/1998	p-CHLOROTOLUENE	--	
01	5/22/1998	p-CHLOROTOLUENE	--	
01	10/6/1998	p-CHLOROTOLUENE	--	
01	3/30/1999	p-CHLOROTOLUENE	--	
01	6/16/1999	p-CHLOROTOLUENE	--	
01	12/28/2000	p-CHLOROTOLUENE	--	
01	11/16/1990	p-DICHLOROBENZENE	--	
01	1/17/1995	p-DICHLOROBENZENE	--	
01	4/3/1995	p-DICHLOROBENZENE	--	
01	7/3/1995	p-DICHLOROBENZENE	--	
01	10/5/1995	p-DICHLOROBENZENE	--	
01	4/22/1996	p-DICHLOROBENZENE	--	
01	1/31/1997	p-DICHLOROBENZENE	--	
01	1/29/1998	p-DICHLOROBENZENE	0.8	75
01	5/22/1998	p-DICHLOROBENZENE	4	75
01	10/6/1998	p-DICHLOROBENZENE	--	
01	3/30/1999	p-DICHLOROBENZENE	--	
01	6/16/1999	p-DICHLOROBENZENE	--	
01	9/15/1999	p-DICHLOROBENZENE	--	
01	12/28/2000	p-DICHLOROBENZENE	--	
01	12/18/2001	p-DICHLOROBENZENE	--	
01	1/17/1995	P-ISOPROPYL TOLUENE	--	
01	4/3/1995	P-ISOPROPYL TOLUENE	--	
01	7/3/1995	P-ISOPROPYL TOLUENE	--	
01	10/5/1995	P-ISOPROPYL TOLUENE	--	
01	4/22/1996	P-ISOPROPYL TOLUENE	--	
01	1/31/1997	P-ISOPROPYL TOLUENE	--	
01	1/29/1998	P-ISOPROPYL TOLUENE	--	
01	5/22/1998	P-ISOPROPYL TOLUENE	--	
01	10/6/1998	P-ISOPROPYL TOLUENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
Volatile Organic Compounds				
01	3/30/1999	P-ISOPROPYL TOLUENE	--	
01	6/16/1999	P-ISOPROPYL TOLUENE	--	
01	12/28/2000	P-ISOPROPYL TOLUENE	--	
01	1/17/1995	p-XYLENE	--	
01	4/3/1995	p-XYLENE	--	
01	7/3/1995	p-XYLENE	--	
01	10/5/1995	p-XYLENE	--	
01	4/22/1996	p-XYLENE	--	
01	1/31/1997	p-XYLENE	--	
01	1/29/1998	p-XYLENE	--	
01	5/22/1998	p-XYLENE	--	
01	10/6/1998	p-XYLENE	--	
01	3/30/1999	p-XYLENE	--	
01	6/16/1999	p-XYLENE	--	
01	12/28/2000	p-XYLENE	--	
01	1/17/1995	SEC-BUTYL BENZENE	--	
01	4/3/1995	SEC-BUTYL BENZENE	--	
01	7/3/1995	SEC-BUTYL BENZENE	--	
01	10/5/1995	SEC-BUTYL BENZENE	--	
01	4/22/1996	SEC-BUTYL BENZENE	--	
01	1/31/1997	SEC-BUTYL BENZENE	--	
01	1/29/1998	SEC-BUTYL BENZENE	--	
01	5/22/1998	SEC-BUTYL BENZENE	--	
01	10/6/1998	SEC-BUTYL BENZENE	--	
01	3/30/1999	SEC-BUTYL BENZENE	--	
01	6/16/1999	SEC-BUTYL BENZENE	--	
01	12/28/2000	SEC-BUTYL BENZENE	--	
01	1/17/1995	STYRENE	--	
01	4/3/1995	STYRENE	--	
01	7/3/1995	STYRENE	--	
01	10/5/1995	STYRENE	--	
01	4/22/1996	STYRENE	--	
01	1/31/1997	STYRENE	--	
01	1/29/1998	STYRENE	--	
01	5/22/1998	STYRENE	--	
01	10/6/1998	STYRENE	--	
01	3/30/1999	STYRENE	--	
01	6/16/1999	STYRENE	--	
01	9/15/1999	STYRENE	--	
01	12/28/2000	STYRENE	--	
01	12/18/2001	STYRENE	--	
01	1/17/1995	TERT-BUTYL BENZENE	--	
01	4/3/1995	TERT-BUTYL BENZENE	--	
01	7/3/1995	TERT-BUTYL BENZENE	--	
01	10/5/1995	TERT-BUTYL BENZENE	--	
01	4/22/1996	TERT-BUTYL BENZENE	--	
01	1/31/1997	TERT-BUTYL BENZENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
Volatile Organic Compounds				
01	1/29/1998	TERT-BUTYLBENZENE	--	
01	5/22/1998	TERT-BUTYLBENZENE	--	
01	10/6/1998	TERT-BUTYLBENZENE	--	
01	3/30/1999	TERT-BUTYLBENZENE	--	
01	6/16/1999	TERT-BUTYLBENZENE	--	
01	12/28/2000	TERT-BUTYLBENZENE	--	
01	1/17/1995	TETRACHLOROETHYLENE	--	
01	4/3/1995	TETRACHLOROETHYLENE	--	
01	7/3/1995	TETRACHLOROETHYLENE	--	
01	10/5/1995	TETRACHLOROETHYLENE	--	
01	4/22/1996	TETRACHLOROETHYLENE	--	
01	1/31/1997	TETRACHLOROETHYLENE	--	
01	1/29/1998	TETRACHLOROETHYLENE	--	
01	5/22/1998	TETRACHLOROETHYLENE	--	
01	10/6/1998	TETRACHLOROETHYLENE	--	
01	3/30/1999	TETRACHLOROETHYLENE	--	
01	6/16/1999	TETRACHLOROETHYLENE	--	
01	9/15/1999	TETRACHLOROETHYLENE	--	
01	12/28/2000	TETRACHLOROETHYLENE	--	
01	12/18/2001	TETRACHLOROETHYLENE	--	
01	1/17/1995	TOLUENE	--	
01	4/3/1995	TOLUENE	--	
01	7/3/1995	TOLUENE	--	
01	10/5/1995	TOLUENE	--	
01	4/22/1996	TOLUENE	--	
01	1/31/1997	TOLUENE	--	
01	1/29/1998	TOLUENE	--	
01	5/22/1998	TOLUENE	--	
01	10/6/1998	TOLUENE	--	
01	3/30/1999	TOLUENE	--	
01	6/16/1999	TOLUENE	--	
01	9/15/1999	TOLUENE	--	
01	12/28/2000	TOLUENE	--	
01	12/18/2001	TOLUENE	--	
01	1/17/1995	trans-1,2-DICHLOROETHYLENE	--	
01	4/3/1995	trans-1,2-DICHLOROETHYLENE	--	
01	7/3/1995	trans-1,2-DICHLOROETHYLENE	--	
01	10/5/1995	trans-1,2-DICHLOROETHYLENE	--	
01	4/22/1996	trans-1,2-DICHLOROETHYLENE	--	
01	1/31/1997	trans-1,2-DICHLOROETHYLENE	--	
01	1/29/1998	trans-1,2-DICHLOROETHYLENE	--	
01	5/22/1998	trans-1,2-DICHLOROETHYLENE	--	
01	10/6/1998	trans-1,2-DICHLOROETHYLENE	--	
01	3/30/1999	trans-1,2-DICHLOROETHYLENE	--	
01	6/16/1999	trans-1,2-DICHLOROETHYLENE	--	
01	9/15/1999	trans-1,2-DICHLOROETHYLENE	--	
01	12/28/2000	trans-1,2-DICHLOROETHYLENE	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

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#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result µg/L	MCL µg/L
01	12/18/2001	trans-1,2-DICHLOROETHYLENE	--	
01	11/16/1990	TRICHLOROETHYLENE	--	
01	1/17/1995	TRICHLOROETHYLENE	--	
01	4/3/1995	TRICHLOROETHYLENE	--	
01	7/3/1995	TRICHLOROETHYLENE	--	
01	10/5/1995	TRICHLOROETHYLENE	--	
01	4/22/1996	TRICHLOROETHYLENE	--	
01	1/31/1997	TRICHLOROETHYLENE	--	
01	1/29/1998	TRICHLOROETHYLENE	--	
01	5/22/1998	TRICHLOROETHYLENE	--	
01	10/6/1998	TRICHLOROETHYLENE	--	
01	3/30/1999	TRICHLOROETHYLENE	--	
01	6/16/1999	TRICHLOROETHYLENE	--	
01	9/15/1999	TRICHLOROETHYLENE	--	
01	12/28/2000	TRICHLOROETHYLENE	--	
01	12/18/2001	TRICHLOROETHYLENE	--	
01	1/17/1995	TRICHLOROFLUOROMETHANE	--	
01	4/3/1995	TRICHLOROFLUOROMETHANE	--	
01	7/3/1995	TRICHLOROFLUOROMETHANE	--	
01	10/5/1995	TRICHLOROFLUOROMETHANE	--	
01	4/22/1996	TRICHLOROFLUOROMETHANE	--	
01	1/31/1997	TRICHLOROFLUOROMETHANE	--	
01	1/29/1998	TRICHLOROFLUOROMETHANE	--	
01	5/22/1998	TRICHLOROFLUOROMETHANE	--	
01	10/6/1998	TRICHLOROFLUOROMETHANE	--	
01	3/30/1999	TRICHLOROFLUOROMETHANE	--	
01	6/16/1999	TRICHLOROFLUOROMETHANE	--	
01	12/28/2000	TRICHLOROFLUOROMETHANE	--	
01	11/16/1990	VINYL CHLORIDE	--	
01	1/17/1995	VINYL CHLORIDE	--	
01	4/3/1995	VINYL CHLORIDE	--	
01	7/3/1995	VINYL CHLORIDE	--	
01	10/5/1995	VINYL CHLORIDE	--	
01	4/22/1996	VINYL CHLORIDE	--	
01	1/31/1997	VINYL CHLORIDE	--	
01	1/29/1998	VINYL CHLORIDE	--	
01	5/22/1998	VINYL CHLORIDE	--	
01	10/6/1998	VINYL CHLORIDE	--	
01	3/30/1999	VINYL CHLORIDE	--	
01	6/16/1999	VINYL CHLORIDE	--	
01	9/15/1999	VINYL CHLORIDE	--	
01	12/28/2000	VINYL CHLORIDE	--	
01	12/18/2001	VINYL CHLORIDE	--	
01	1/17/1995	XYLENES, TOTAL	--	
01	4/3/1995	XYLENES, TOTAL	--	
01	7/3/1995	XYLENES, TOTAL	--	
01	10/5/1995	XYLENES, TOTAL	--	

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

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# =Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result	MCL
Volatile Organic Compounds			µg/L	µg/L
01	4/22/1996	XYLEMES, TOTAL	--	
01	1/31/1997	XYLEMES, TOTAL	--	
01	1/29/1998	XYLEMES, TOTAL	--	
01	5/22/1998	XYLEMES, TOTAL	--	
01	10/6/1998	XYLEMES, TOTAL	--	
01	3/30/1999	XYLEMES, TOTAL	--	
01	6/16/1999	XYLEMES, TOTAL	--	
01	9/15/1999	XYLEMES, TOTAL	--	
01	12/28/2000	XYLEMES, TOTAL	--	
01	12/18/2001	XYLEMES, TOTAL	--	
Synthetic Organic Compounds			µg/L	µg/L
01	1/17/1995	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	4/3/1995	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	7/3/1995	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	10/5/1995	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	10/5/1995	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	4/22/1996	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	1/31/1997	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	1/29/1998	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	5/22/1998	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	10/6/1998	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	3/30/1999	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	6/16/1999	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	3/23/2000	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	12/28/2000	1,2-DIBROMO-3-CHLOROPROPANE	--	
01	10/5/1995	2,4,5-T	--	
01	11/29/2000	2,4,5-T	--	
01	10/5/1995	2,4,5-TP (SILVEX)	--	
01	11/29/2000	2,4,5-TP (SILVEX)	--	
01	10/5/1995	2,4-D	--	
01	11/29/2000	2,4-D	--	
01	3/23/2000	3-HYDROXYCARBOFURAN	--	
01	10/5/1995	ALACHLOR (LASSO)	--	
01	3/23/2000	ALACHLOR (LASSO)	--	
01	3/23/2000	ALDICARB	--	
01	3/23/2000	ALDICARB SULFONE	--	
01	3/23/2000	ALDICARB SULFOXIDE	--	
01	10/5/1995	ALDRIN	--	
01	3/23/2000	ALDRIN	--	
01	10/5/1995	ATRAZINE	--	
01	3/23/2000	ATRAZINE	--	
01	10/5/1995	BENZO(a)PYRENE	--	
01	3/23/2000	BENZO(a)PYRENE	--	
01	10/5/1995	BHC-GAMMA(LINDANE)	--	
01	3/23/2000	BHC-GAMMA(LINDANE)	--	
01	10/5/1995	BUTACHLOR (MACHETE)	--	
01	3/23/2000	BUTACHLOR (MACHETE)	--	

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#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result ug/L	MCL ug/L
<b>Synthetic Organic Compounds</b>				
01	3/23/2000	CARBARYL	--	
01	3/23/2000	CARBOFURAN	--	
01	10/5/1995	CHLORDANE	--	
01	3/23/2000	CHLORDANE	--	
01	10/5/1995	DALAPON	--	
01	11/29/2000	DALAPON	--	
01	10/5/1995	DECACHLOROBIPHENYL	--	
01	10/5/1995	DI(2-ETHYLHEXYL) ADIPATE	--	
01	3/23/2000	DI(2-ETHYLHEXYL) ADIPATE	--	
01	10/5/1995	DI(2-ETHYLHEXYL) PHTHALATE	0.706	6
01	3/23/2000	DI(2-ETHYLHEXYL) PHTHALATE	1.2	6
01	10/5/1995	DIAZINON (SPECTRACIDE)	--	
01	10/5/1995	DICAMBA	--	
01	11/29/2000	DICAMBA	--	
01	10/5/1995	DIELDRIN	--	
01	3/23/2000	DIELDRIN	--	
01	10/5/1995	DINOSEB	--	
01	11/29/2000	DINOSEB	--	
01	10/5/1995	DURSBAN	--	
01	10/5/1995	ENDRIN	--	
01	3/23/2000	ENDRIN	--	
01	1/17/1995	ETHYLENE DIBROMIDE (EDB)	--	
01	4/3/1995	ETHYLENE DIBROMIDE (EDB)	--	
01	7/3/1995	ETHYLENE DIBROMIDE (EDB)	--	
01	10/5/1995	ETHYLENE DIBROMIDE (EDB)	--	
01	10/5/1995	ETHYLENE DIBROMIDE (EDB)	--	
01	4/22/1996	ETHYLENE DIBROMIDE (EDB)	--	
01	1/31/1997	ETHYLENE DIBROMIDE (EDB)	--	
01	1/29/1998	ETHYLENE DIBROMIDE (EDB)	--	
01	5/22/1998	ETHYLENE DIBROMIDE (EDB)	--	
01	10/6/1998	ETHYLENE DIBROMIDE (EDB)	--	
01	3/30/1999	ETHYLENE DIBROMIDE (EDB)	--	
01	6/16/1999	ETHYLENE DIBROMIDE (EDB)	--	
01	3/23/2000	ETHYLENE DIBROMIDE (EDB)	--	
01	12/28/2000	ETHYLENE DIBROMIDE (EDB)	--	
01	10/5/1995	HEPTACHLOR	--	
01	3/23/2000	HEPTACHLOR	--	
01	10/5/1995	HEPTACHLOR EPOXIDE	--	
01	3/23/2000	HEPTACHLOR EPOXIDE	--	
01	10/5/1995	HEXACHLOROBENZENE (HCB)	--	
01	3/23/2000	HEXACHLOROBENZENE (HCB)	--	
01	10/5/1995	HEXACHLOROCYCLOPENTADIENE	--	
01	3/23/2000	HEXACHLOROCYCLOPENTADIENE	--	
01	3/23/2000	METHOMYL	--	
01	10/5/1995	METHOXYCHLOR	--	
01	3/23/2000	METHOXYCHLOR	--	
01	10/5/1995	METOLACHLOR	--	

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+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result	MCL
Synthetic Organic Compounds			µg/L	µg/L
01	3/23/2000	METOLACHLOR	--	
01	10/5/1995	METRIBUZIN (SENCOR)	--	
01	3/23/2000	METRIBUZIN (SENCOR)	--	
01	3/23/2000	OXAMYL (VYDATE)	--	
01	10/5/1995	PENTACHLOROPHENOL	--	
01	11/29/2000	PENTACHLOROPHENOL	--	
01	10/5/1995	PICLORAM	--	
01	11/29/2000	PICLORAM	--	
01	10/5/1995	PROPACHLOR (RAMROD)	--	
01	3/23/2000	PROPACHLOR (RAMROD)	--	
01	10/5/1995	SIMAZINE	--	
01	3/23/2000	SIMAZINE	--	
01	10/5/1995	TOXAPHENE	--	
Inorganic Compounds			mg/L	mg/L
01	10/5/1995	ANTIMONY	--	
01	10/7/1998	ANTIMONY	--	
01	3/23/2000	ANTIMONY	--	
01	10/5/1995	ARSENIC	--	
01	3/23/2000	ARSENIC	--	
01	10/5/1995	BARIUM	--	
01	10/7/1998	BARIUM	--	
01	3/23/2000	BARIUM	--	
01	10/5/1995	BERYLLIUM	--	
01	10/7/1998	BERYLLIUM	--	
01	3/23/2000	BERYLLIUM	--	
01	10/5/1995	CADMIUM	--	
01	10/7/1998	CADMIUM	--	
01	3/23/2000	CADMIUM	--	
01	11/12/1997	CHLORIDE	46	250 *
01	11/20/1997	CHLORIDE	47	250 *
01	2/10/1999	CHLORIDE	66	250 *
01	10/5/1995	CHROMIUM	--	
01	10/7/1998	CHROMIUM	--	
01	3/23/2000	CHROMIUM	--	
01	11/12/1997	IRON	1.4	0.3 *
01	11/20/1997	IRON	0.4	0.3 *
01	2/10/1999	IRON	0.4	0.3 *
01	11/12/1997	MANGANESE	--	
01	11/20/1997	MANGANESE	0.05	0.05 *
01	2/10/1999	MANGANESE	--	
01	10/5/1995	MERCURY	--	
01	10/7/1998	MERCURY	--	
01	3/23/2000	MERCURY	--	
01	10/5/1995	NICKEL	--	
01	10/7/1998	NICKEL	--	
01	3/23/2000	NICKEL	--	
01	12/15/1993	NITRATE	0.61	10

--=Not Detected

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^=Drinking Water Equivalence Level

+ =Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result	MCL
			mg/L	mg/L
<b>Inorganic Compounds</b>				
01	12/6/1994	NITRATE	0.9	10
01	6/28/1995	NITRATE	0.74	10
01	10/5/1995	NITRATE	0.9	10
01	2/5/1996	NITRATE	1.1	10
01	6/5/1996	NITRATE	0.89	10
01	8/2/1996	NITRATE	1	10
01	2/26/1997	NITRATE	0.6	10
01	8/6/1997	NITRATE	0.2	10
01	11/12/1997	NITRATE	0.4	10
01	11/20/1997	NITRATE	--	
01	10/7/1998	NITRATE	0.82	10
01	2/10/1999	NITRATE	0.3	10
01	6/15/1999	NITRATE	0.5	10
01	2/9/2000	NITRATE	0.6	10
01	3/23/2000	NITRATE	0.3	10
01	3/20/2001	NITRATE	--	
01	3/14/2002	NITRATE	0.3	10
01	10/5/1995	NITRITE	0.008	1
01	11/20/1997	NITRITE	--	
01	10/5/1995	SELENIUM	--	
01	10/7/1998	SELENIUM	--	
01	3/23/2000	SELENIUM	--	
01	10/7/1998	SODIUM	104	60 +
01	3/23/2000	SODIUM	17.7	60 +
01	10/5/1995	SULFATE	11.6	250 *
01	11/12/1997	SULFATE	15.3	250 *
01	11/20/1997	SULFATE	15.3	250 *
01	10/7/1998	SULFATE	21	250 *
01	2/10/1999	SULFATE	21	250 *
01	10/5/1995	THALLIUM	--	
01	10/7/1998	THALLIUM	--	
01	3/23/2000	THALLIUM	--	
<b>General Water Quality Parameters</b>				
01	11/12/1997	ALKALINITY, CARBONATE	161	
01	11/20/1997	ALKALINITY, CARBONATE	145	
01	2/10/1999	ALKALINITY, CARBONATE	161	
01	11/12/1997	ALKALINITY, TOTAL	162	
01	11/20/1997	ALKALINITY, TOTAL	154	
01	2/10/1999	ALKALINITY, TOTAL	168	
01	11/12/1997	CONDUCTIVITY @ 25 C U-MHO	436	
01	11/12/1997	HARDNESS, TOTAL (AS CAC03)	156	
01	11/20/1997	HARDNESS, TOTAL (AS CAC03)	212	
01	2/10/1999	HARDNESS, TOTAL (AS CAC03)	156	
01	10/5/1995	pH	7.5	6.5-8.5 *
01	8/2/1996	pH	7	6.5-8.5 *
01	11/12/1997	pH	6.6	6.5-8.5 *
01	11/20/1997	pH	6.6	6.5-8.5 *
01	2/10/1999	pH	7.5	6.5-8.5 *

--=Not Detected

\*=Secondary Drinking Water Regulation

^=Drinking Water Equivalence Level

+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF COMPOUNDS IN YODERS MEAT PACKERS WATER SAMPLES**

Plant ID	Sample Date	Contaminant Name	Result	MCL
<b>General Water Quality Parameters</b>				
01	11/20/1997	CONDUCTIVITY @ 25 C U-MHO	432	
01	2/10/1999	CONDUCTIVITY @ 25 C U-MHO	515	
01	11/12/1997	TURBIDITY	0.2	1
01	11/20/1997	TURBIDITY	0.6	5
01	2/10/1999	TURBIDITY	0.3	5

--=Not Detected

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+=Drinking Water Advisory Level

#=Total Trihalomethane

**SUMMARY OF MICROBIOLOGICAL CONTAMINANT ANALYSIS FOR YODERS MEAT PACKERS WATER SAMPLES**

Sample Date	Samples Taken	Total Coliform	Total Fecal	Total Indeterminate	Sample Repeats	Repeat Coliforms	Repeat Fecal	Repeat Indeterminate
11/1/96	1	0	0	0	--	--	--	--
3/1/97	1	0	0	0	--	--	--	--
6/1/97	1	0	0	0	--	--	--	--
9/1/97	1	0	0	0	--	--	--	--
12/1/97	1	0	0	0	--	--	--	--
1/1/98	1	0	0	0	--	--	--	--
4/1/98	1	0	0	0	--	--	--	--
7/1/98	1	0	0	0	--	--	--	--
12/1/98	1	0	0	0	--	--	--	--
1/1/99	1	0	0	0	--	--	--	--
6/1/99	1	0	0	0	--	--	--	--
8/1/99	1	0	0	0	--	--	--	--
12/1/99	1	0	0	0	--	--	--	--
1/1/00	1	0	0	0	--	--	--	--
6/1/00	1	0	0	0	--	--	--	--
8/1/00	5	0	0	0	--	--	--	--
12/1/00	1	0	0	0	--	--	--	--
1/1/01	1	0	0	0	--	--	--	--
6/1/01	1	0	0	0	--	--	--	--
7/1/01	1	0	0	0	--	--	--	--
10/1/01	1	0	0	0	--	--	--	--
1/1/02	1	0	0	0	--	--	--	--
4/1/02	1	0	0	0	--	--	--	--

-- = not applicable